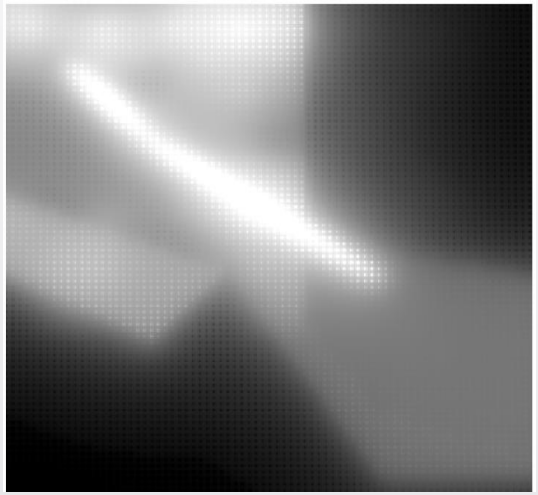
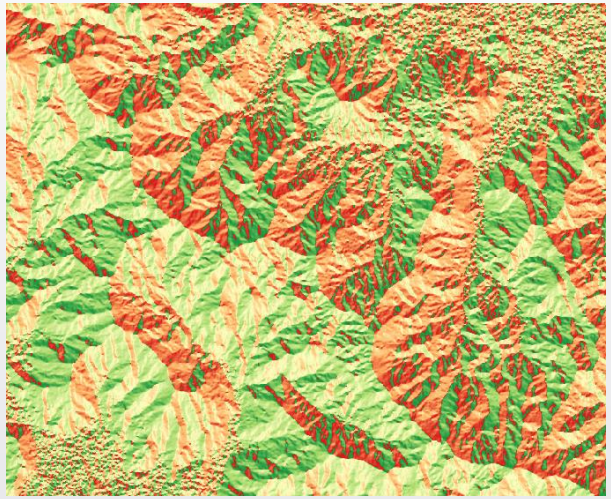
Deriving contours, aspect, hillshade and slope

Contour, Aspect and Slope Derivation from DEM

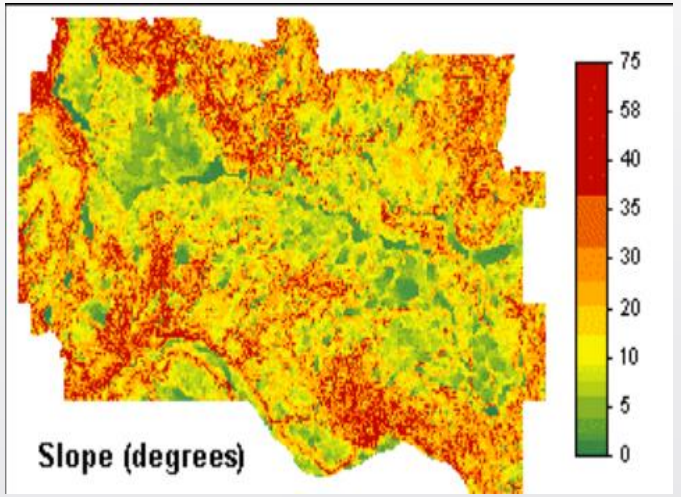


DEM

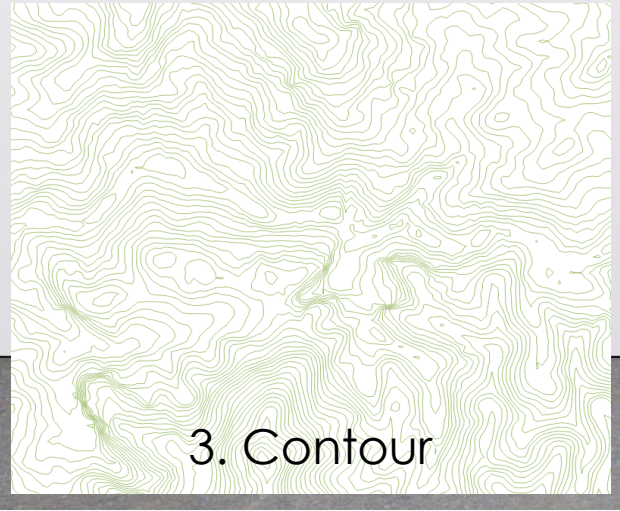


1. ASPECT

OR



2. SLOPE

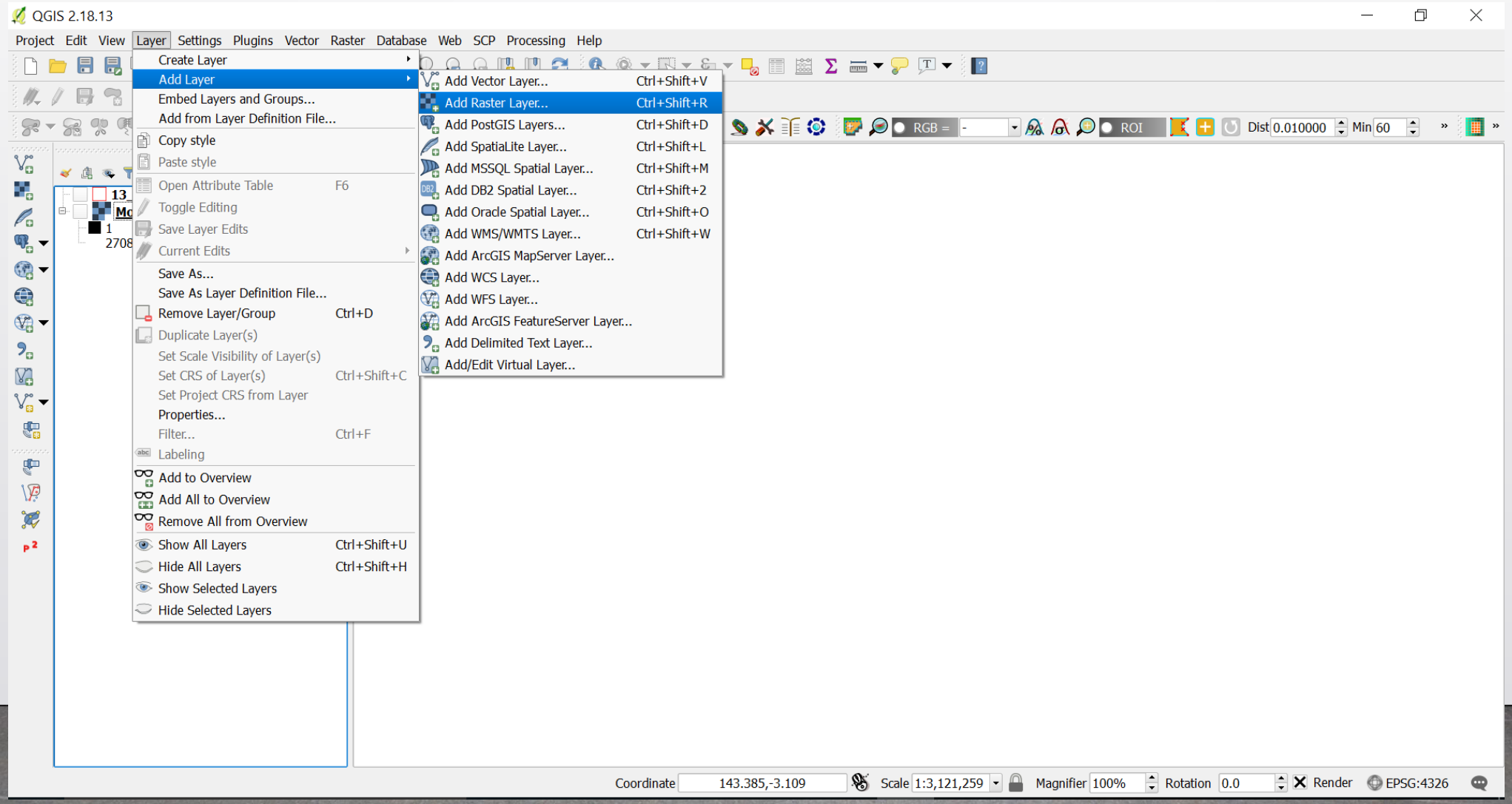


3. Contour

Data Needed: DEM

- Data filename: MosaicDEM.tif (inside Result folder)
- Date type: Raster (Geotiff)
- Data about: DEM (Digital Elevation Model)
- Data CRS: [EPSG:4326]

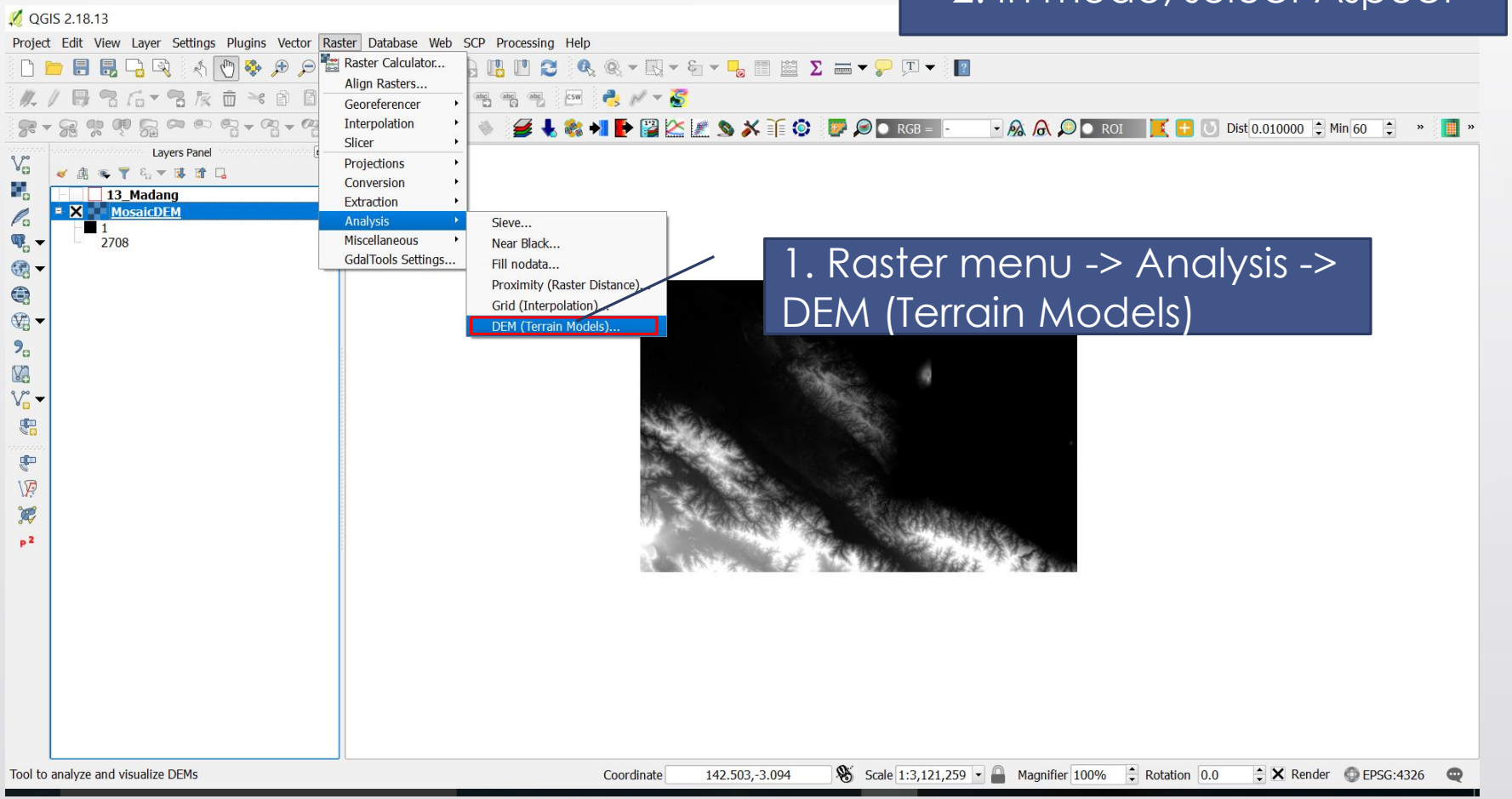
Load DEM raster layer

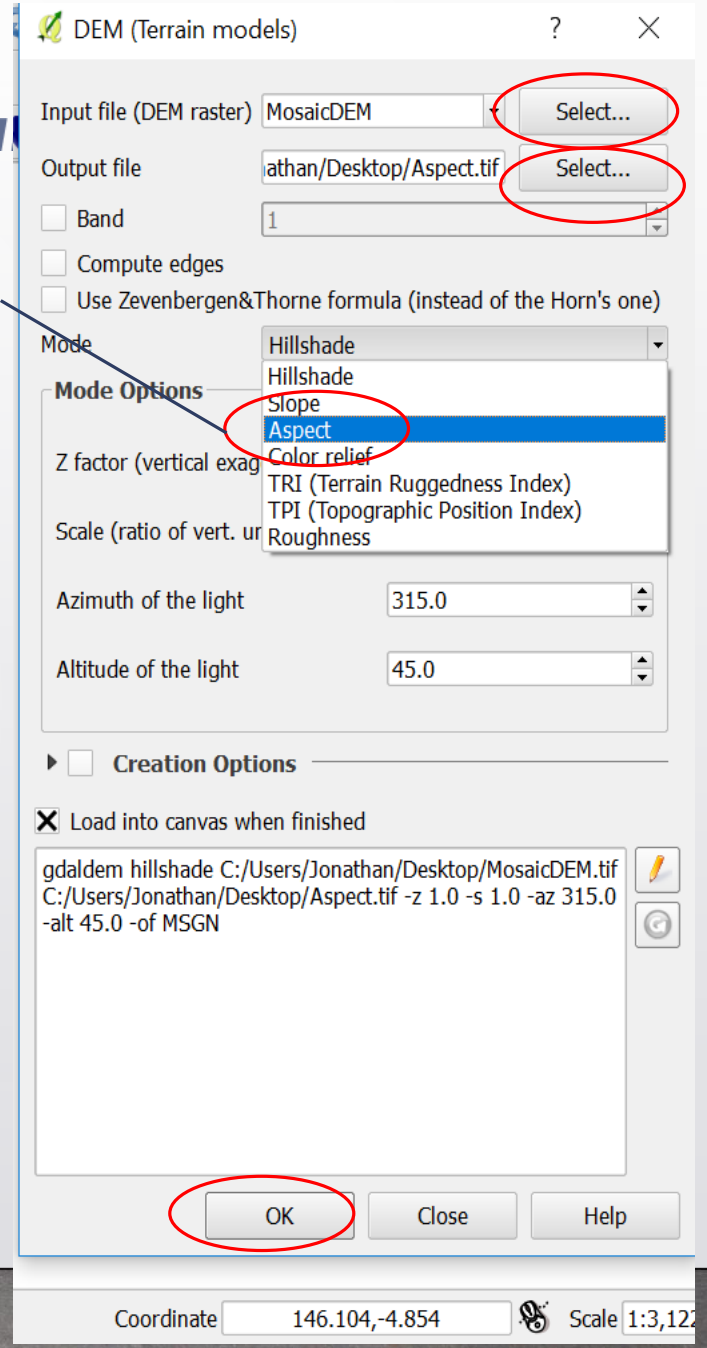


Aspect Derivation

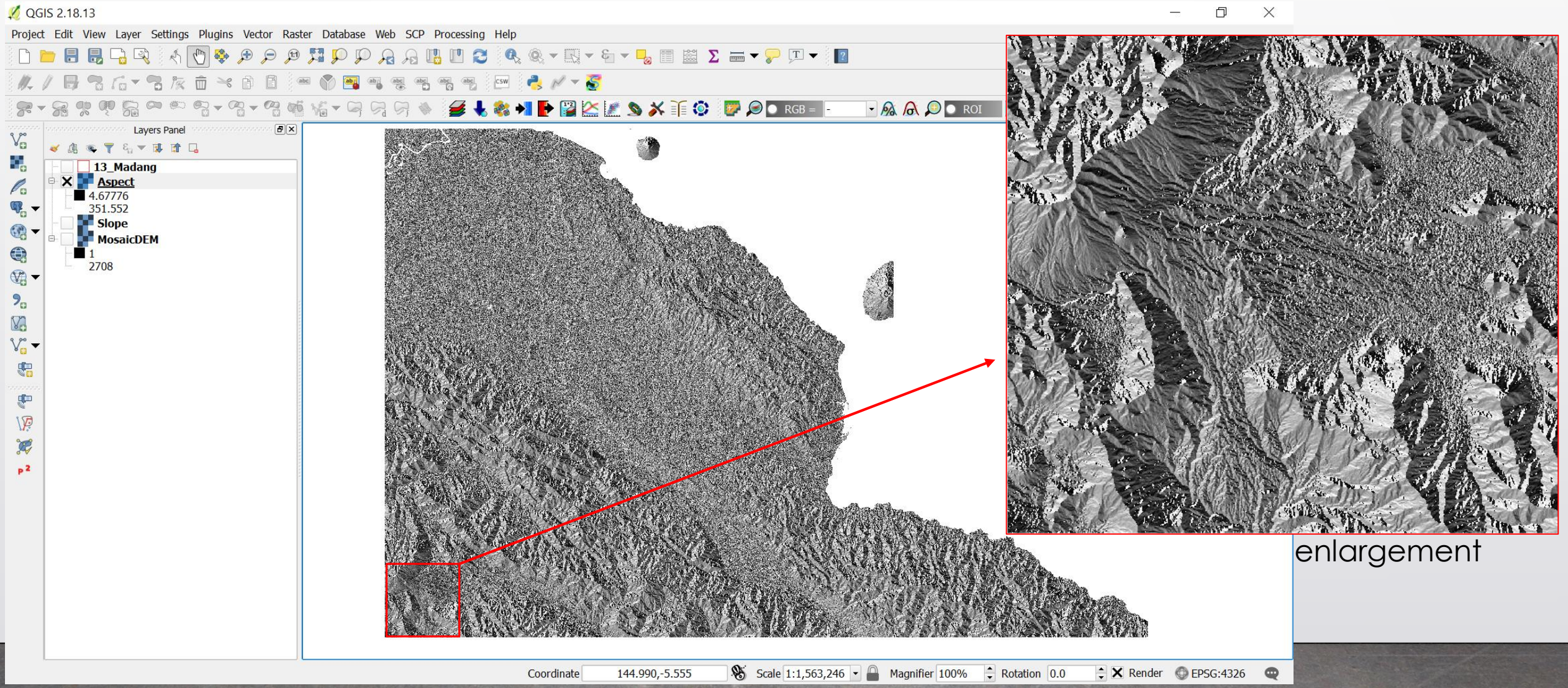
2. In mode, select Aspect

1. Raster menu -> Analysis -> DEM (Terrain Models)



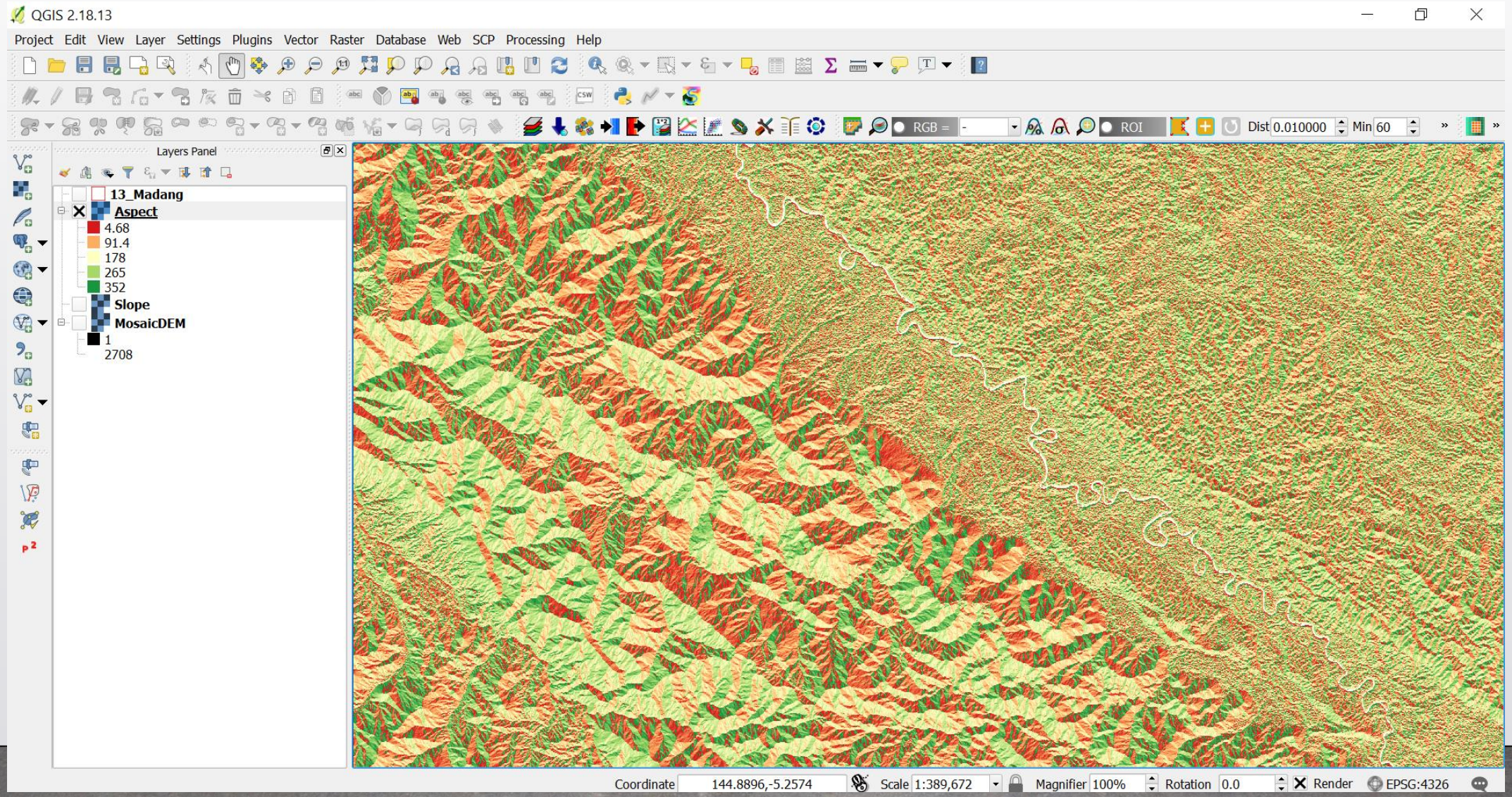


Aspect Derivation (Result)

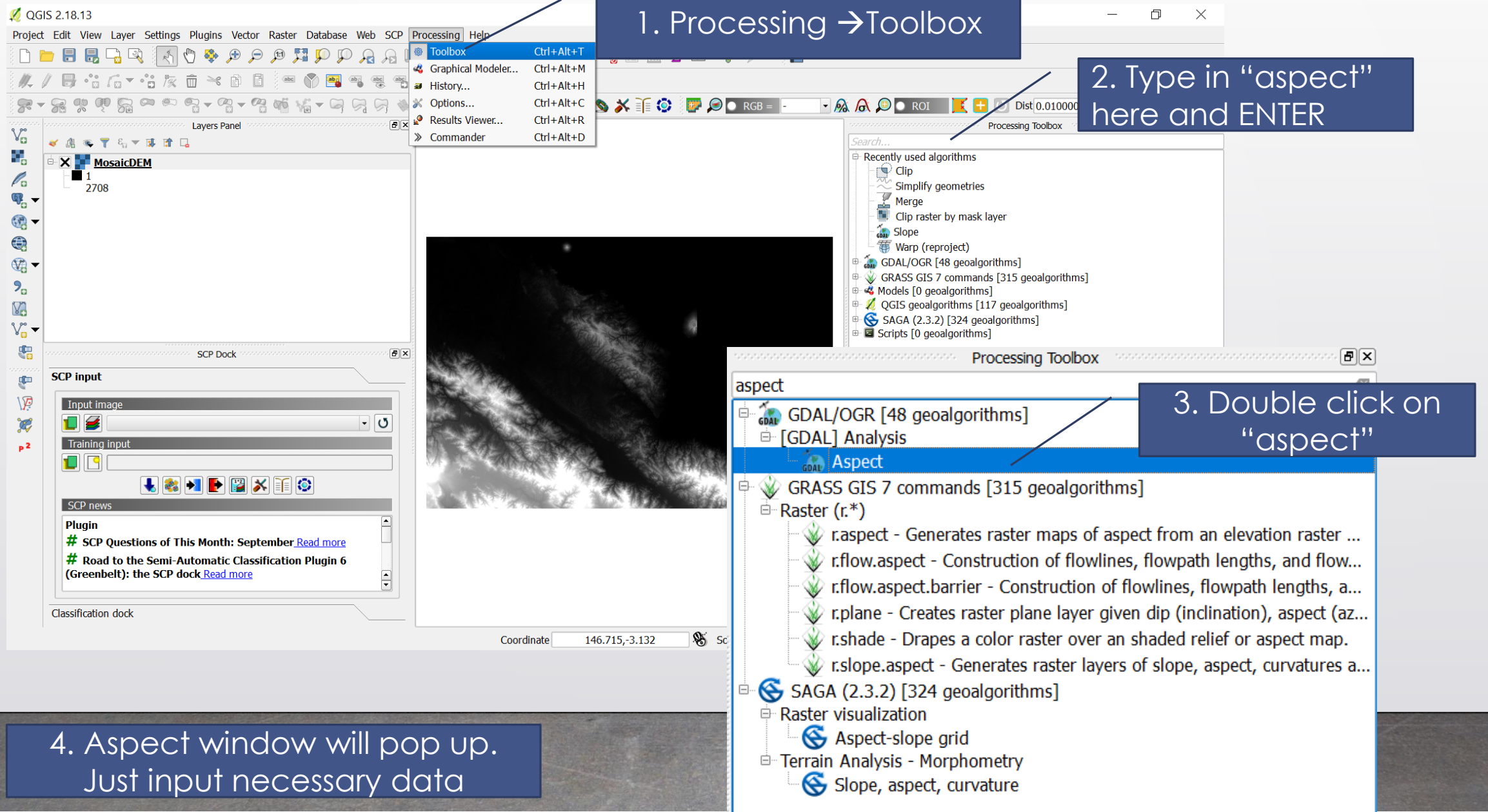


enlargement

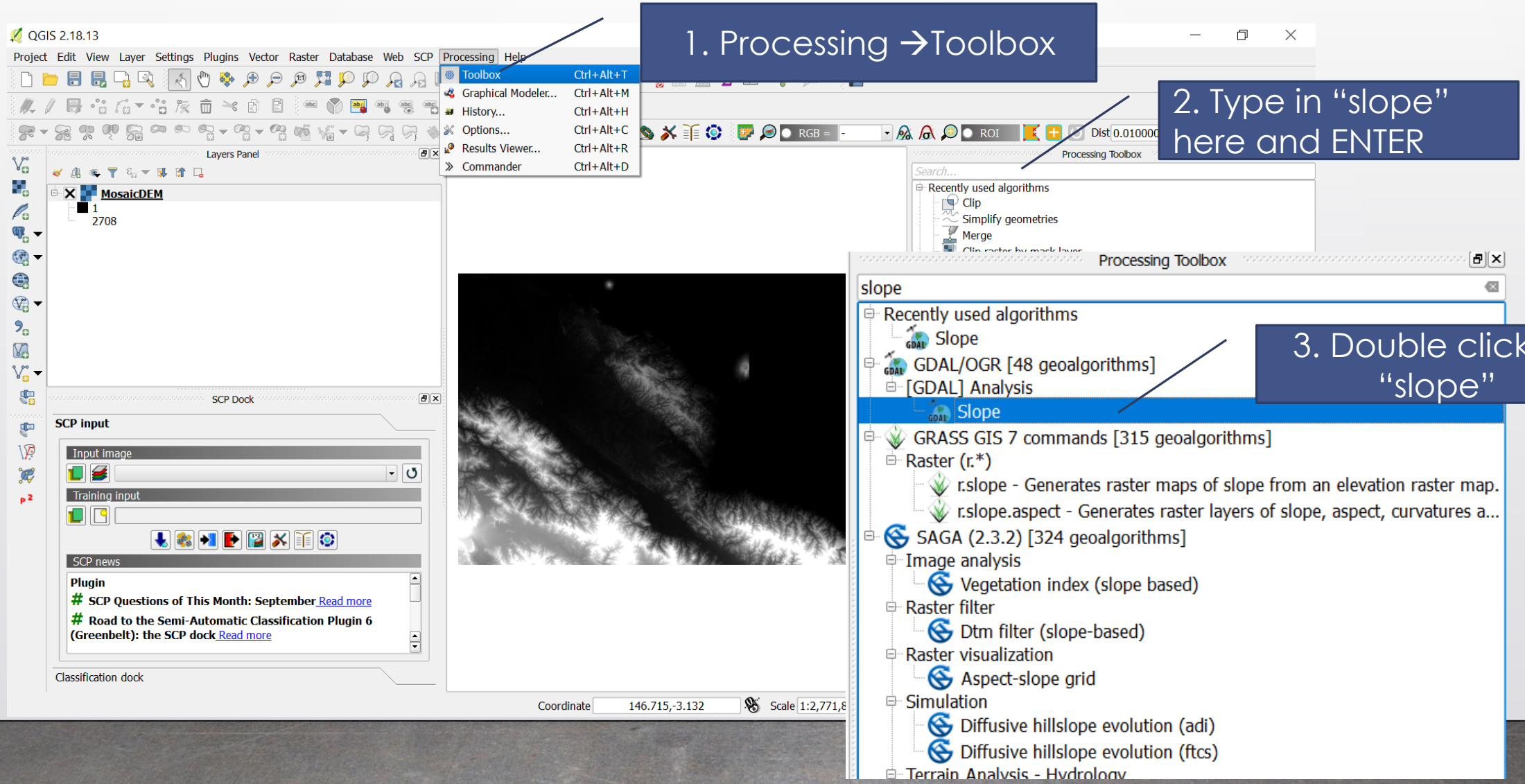
Derived Aspect after changing symbology



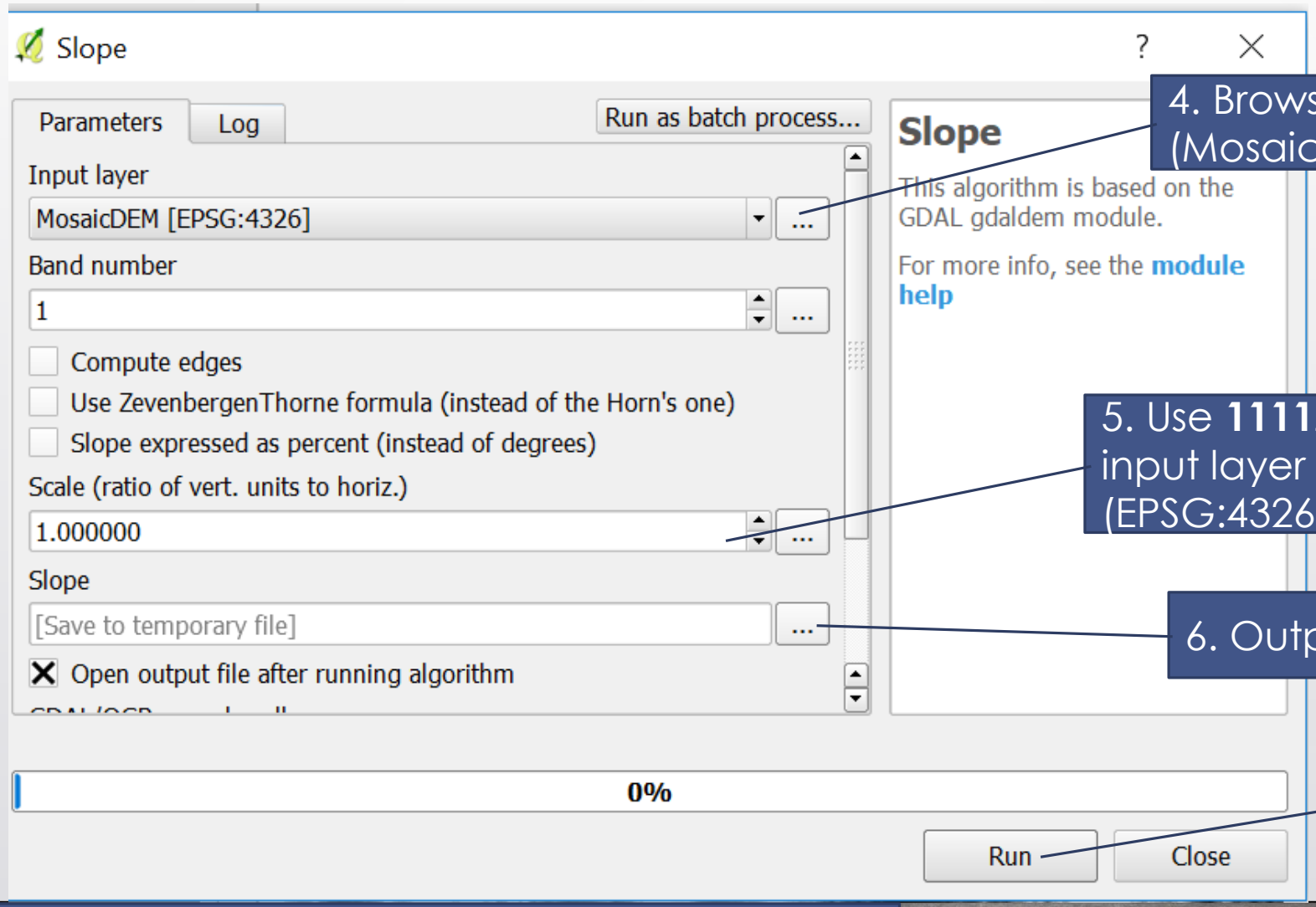
OR (alternative process from GDAL Tool)



Slope derivation (be illustrating GDAL tool here)



Slope derivation



4. Browse input layer (MosaicDEM)

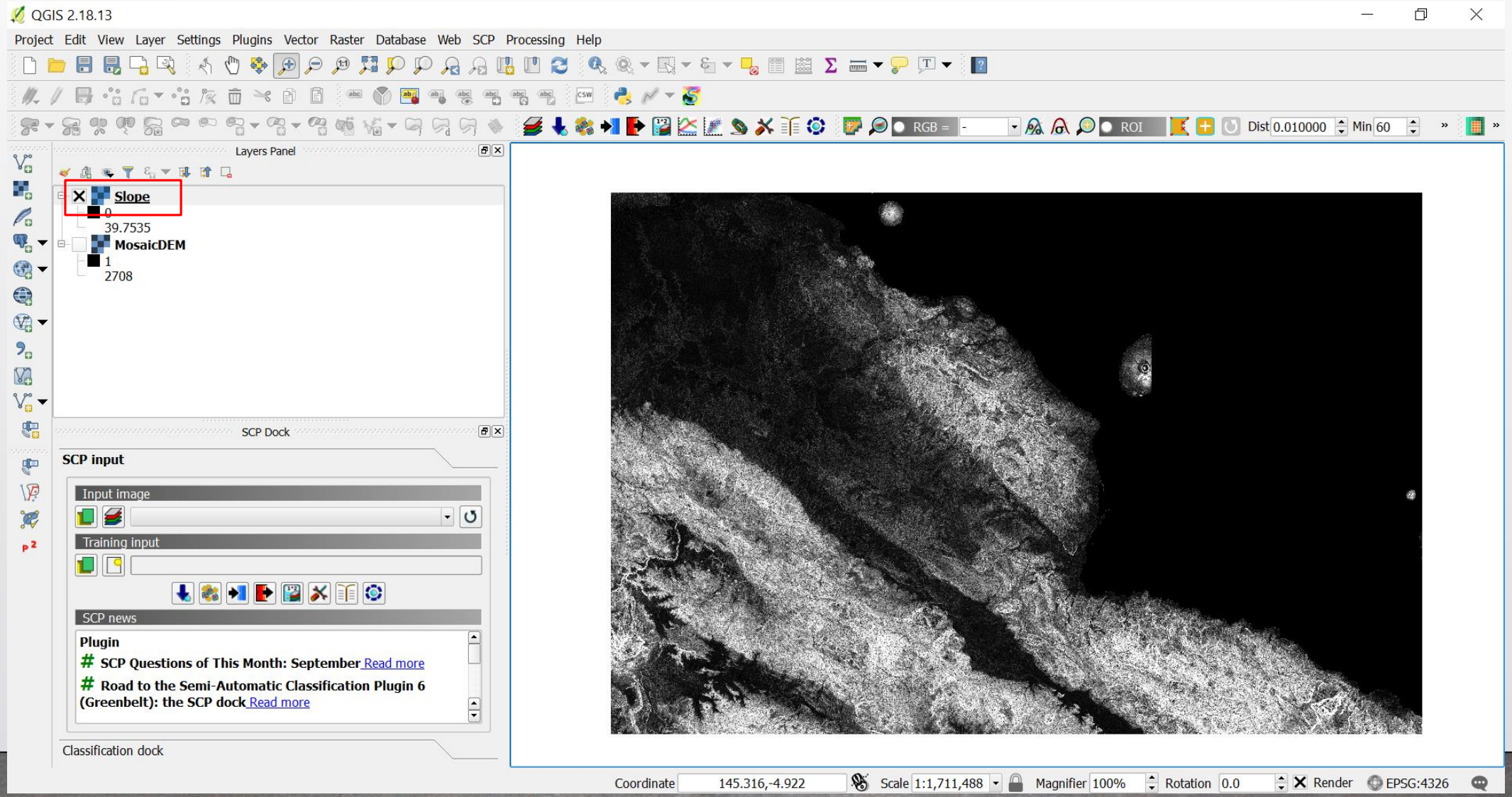
5. Use **111120** as Scale since the input layer (MosaicDEM) is GCS (EPSG:4326), or its units is degrees

6. Output filename

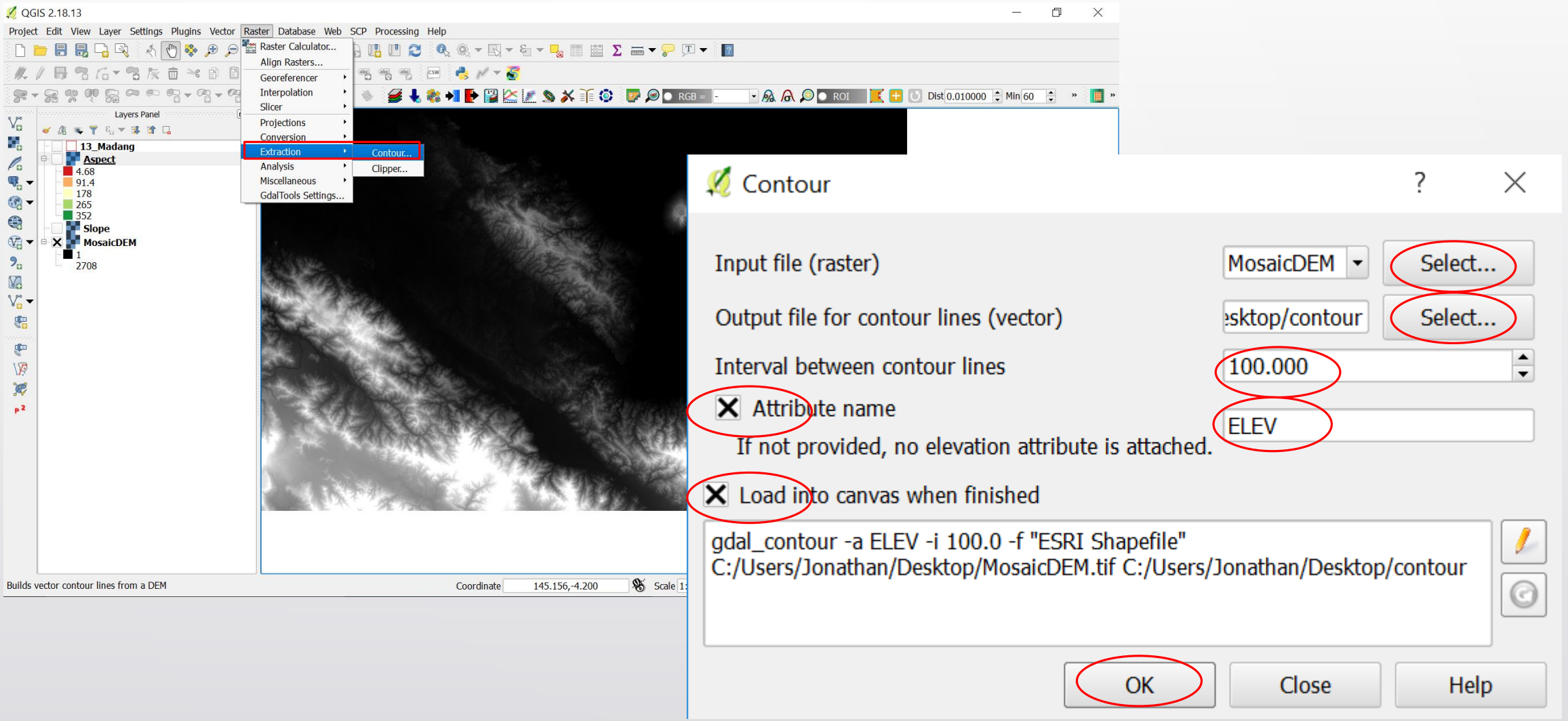
7. Click Run

Note: For number 5, Scale can be 1.00 if input layer is in metric unit.

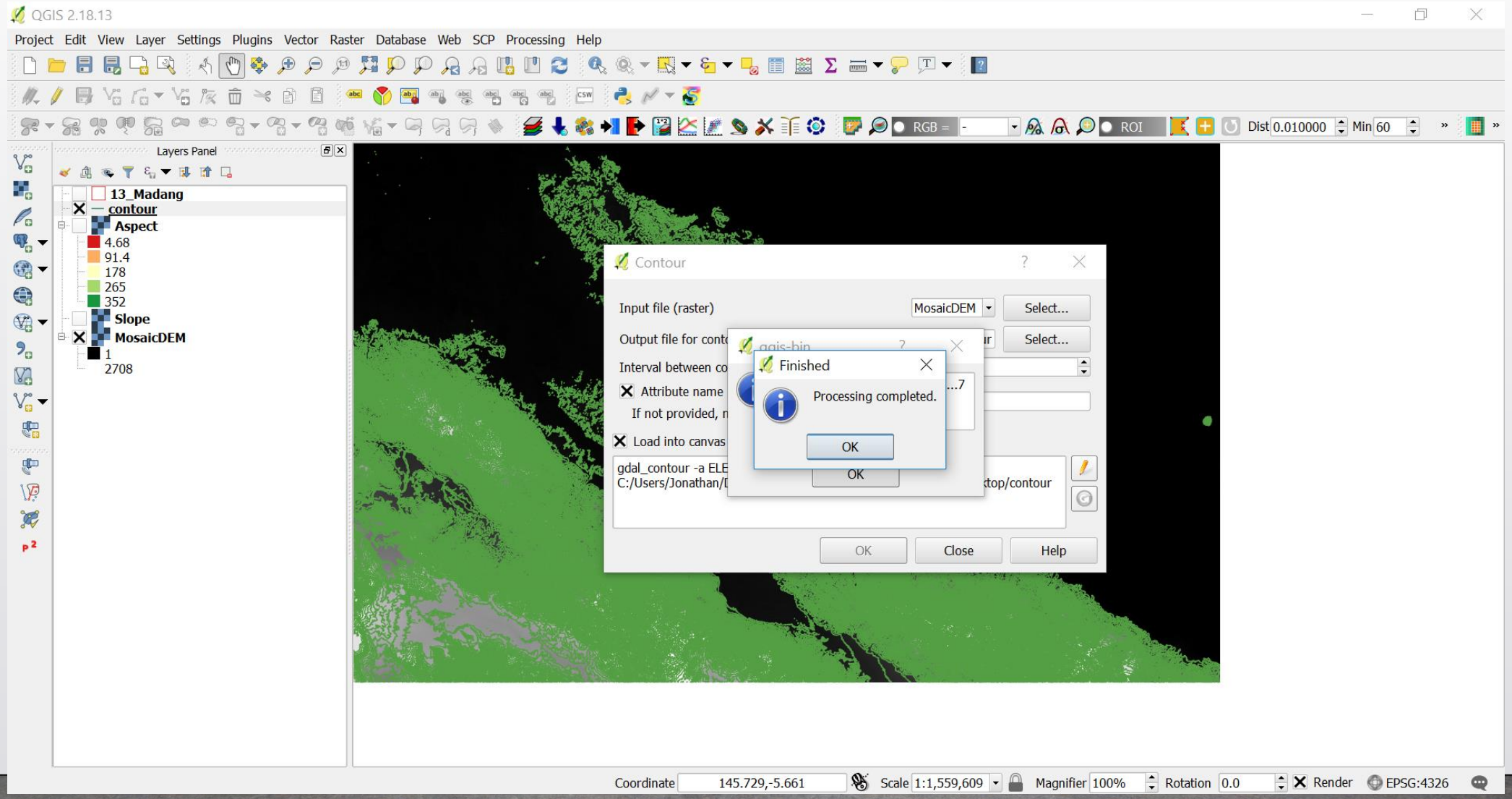
Derived Slope



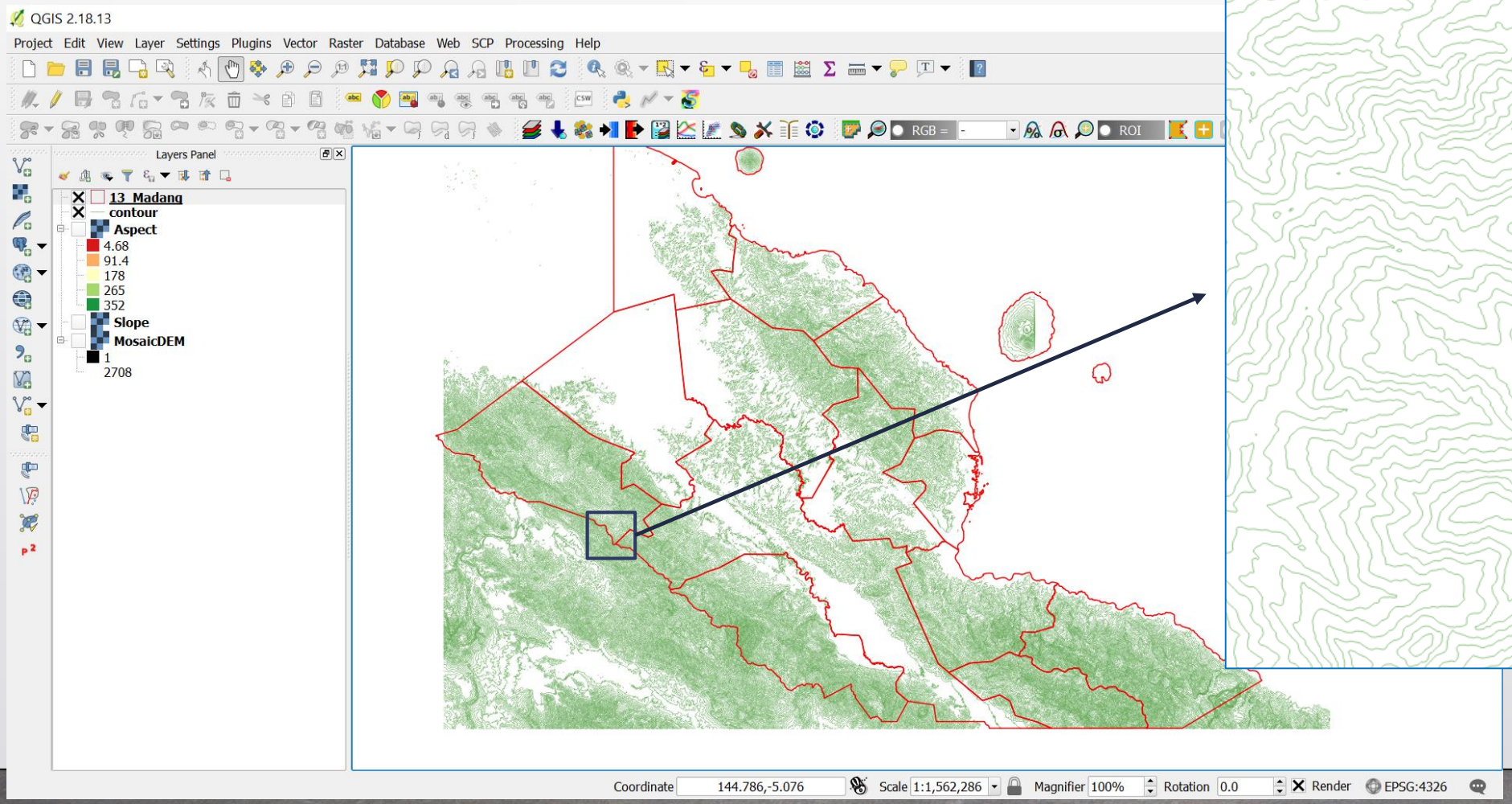
Contour Derivation: (Use the same DEM data – MosaicDEM)

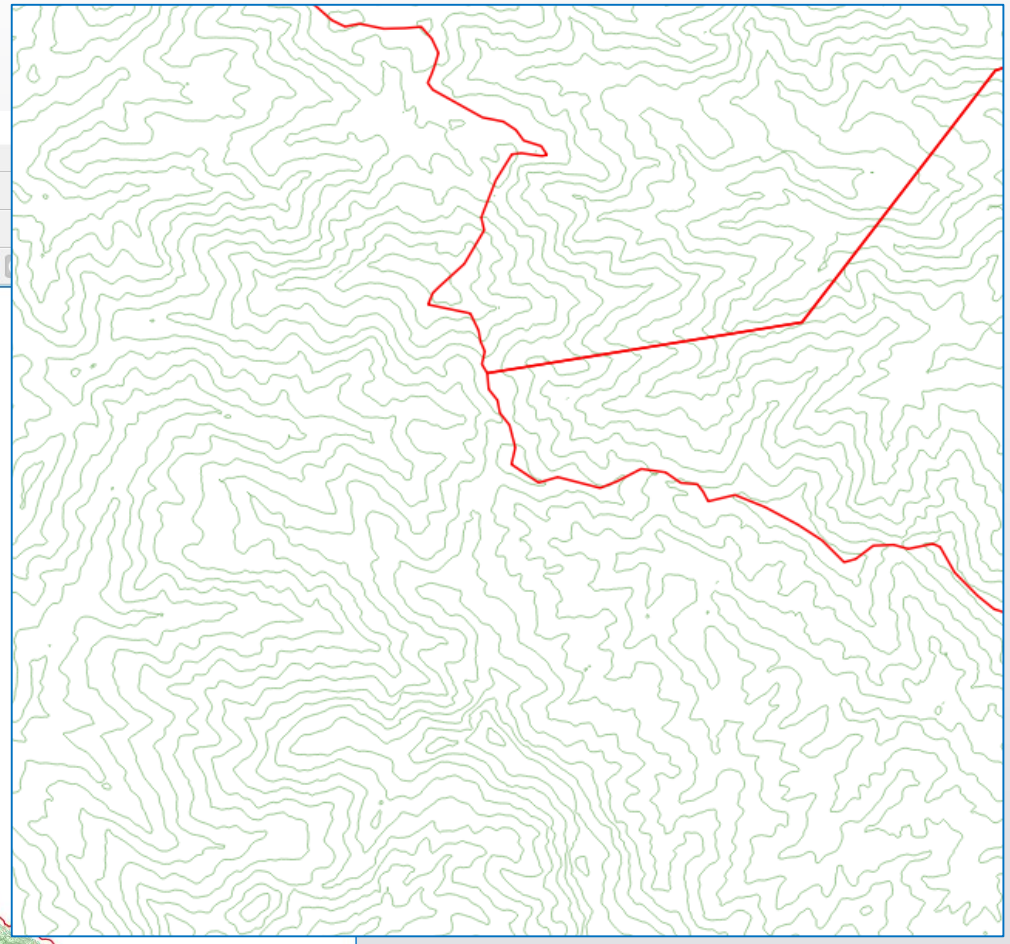


Derived Contours



Derived Contours





enlargement

Thank you!